

Refereed Publications *,[†],[‡] denotes undergraduate, graduate, high school teacher

280. Thilker, D. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: The Dust Filament Network of NGC 628 and its Relation to Star Formation Activity”
279. Sandstrom, K. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Mapping the 3.3 micron Polycyclic Aromatic Hydrocarbon Vibrational Band in Nearby Galaxies with NIRCcam Medium Bands”
278. Chasteney, J. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Variations in PAH Fraction as a Function of ISM Phase and Metallicity”
277. Whitmore, B. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Massive Young Star Clusters and New Insights from JWST Observations of NGC 1365”
276. Sandstrom, K. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Tracing the Diffuse ISM with JWST Imaging of Polycyclic Aromatic Hydrocarbon Emission in Nearby Galaxies”
275. Leroy, A. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Mid-infrared emission traces both gas column density and heating at 100 pc scales”
274. Chasteney, J. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Measuring PAH Properties across the multiphase ISM”
273. Liu, D. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Stellar Feedback-Driven Excitation and Dissociation of Molecular Gas in the Starburst Ring of NGC 1365?”
272. Schinnerer, E. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Rapid Evolution of Star Formation in the Central Molecular Gas Ring of NGC1365”
271. Egorov, O. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Destruction of the PAH molecules in HII regions probed by JWST and MUSE”
270. Meidt, S. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: ISM structure on the turbulent Jeans scale in four disk galaxies observed by JWST and ALMA”
269. Lee, J. et al. 2023, *Astrophysical Journal Letters*,
“The PHANGS-JWST Treasury Survey: Star Formation, Feedback, and Dust Physics at High Angular resolution in Nearby Galaxies”
268. Hamid, H.[†] et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: The 21 μ m Compact Source Population”
267. Barnes, A. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Multi-wavelength view of feedback-driven bubbles (The Phantom Voids) across NGC 628”
266. Watkins, E. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: A statistical view on bubble evolution in NGC628”

265. Dale, D. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: The Influence of Stellar Clusters on PAHs in Nearby Galaxies”
264. Jaeyeon, K.[†] et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Duration of the early phase of massive star formation in NGC628”
263. Hoyer, N.[†] et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: A combined HST and JWST analysis of the nuclear star cluster in NGC 628”
262. Rodriguez, J. et al. 2023, *Astrophysical Journal Letters*,
“PHANGS-JWST First Results: Dust embedded star clusters in NGC 7496 selected via 3.3 μm PAH emission”
261. Larson, K. et al. 2023, *Monthly Notices of the Royal Astronomical Society*,
“Multi-Scale Stellar Associations across the Star Formation Hierarchy in PHANGS-HST Nearby Galaxies: Methodology and Properties”
260. Mayker Chen, N.[†] et al. 2023, *Astrophysical Journal*,
“Comparing the Locations of Supernovae to CO (2-1) Emission in their Host Galaxies”
259. Liu, D. et al. 2023, *Astronomy & Astrophysics*,
“CI and CO in Nearby Spiral Galaxies—I. Line Ratio and Abundance Variations at ~ 200 pc Scales”
258. Belfiore, F. et al. 2023, *Astronomy & Astrophysics*,
“Calibration of hybrid resolved star formation rate recipes based on PHANGS-MUSE H α and H β maps”
257. Chen, Y.-J. et al. 2023, *Monthly Notices of the Royal Astronomical Society*,
“Broad-line region in NGC 4151 monitored by two decades of reverberation mapping campaigns. I. Evolution of structure and kinematics”
256. Lopez-Rodriguez, E. et al. 2023, *Astrophysical Journal Letters*, 942, 13
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). VI. The magnetic fields in the multi-phase interstellar medium of the Antennae galaxies”
255. Cook, D., et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 519, 3749
“Fraction of stars in clusters for the LEGUS dwarf galaxies”
254. Kreckel, K., et al. 2022, *Astronomy & Astrophysics*, 667, 16
“A physically motivated ”charge-exchange method” for measuring electron temperatures within H II regions”
253. Turner, J.[†], Dale, D., et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 4612
“PHANGS: Constraining Star Formation Timescales Using the Spatial Correlations of Star Clusters and Giant Molecular Clouds”
252. Lopez-Rodriguez, E. et al. 2022, *Astrophysical Journal*, 936, 92
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). IV. Program Overview and First Results on the Polarization Fraction”
251. Kim, J. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 3006
“Environmental dependence of the molecular cloud lifecycle in 54 main sequence galaxies”

250. Bao, D.-W. et al. 2022, *Astrophysical Journal Supplements*, 262, 14
“Monitoring AGNs with $H\beta$ Asymmetry. III. Long-term Reverberation Mapping Results of 15 Palomar-Green Quasars”
249. Lopez-Rodriguez, E. et al. 2022, *Astrophysical Journal*, 936, 65
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248. Smith, M.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 477
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247. Smith, M.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 515, 3270
“A multi-wavelength study of Star Formation in nearby galaxies: Evidence for inside-out growth of the stellar disc”
246. Sun, J.[†] et al. 2022, *Astronomical Journal*, 164, 43
“Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective”
245. Pessa, I.[†] et al. 2022, *Astronomy & Astrophysics*, 663, 61
“Variations in the $\Sigma_{\text{SFR}} - \Sigma_{\text{mol}} - \Sigma_{\star}$ plane across galactic environments in PHANGS galaxies”
244. Barnes, A. et al. 2022, *Astronomy & Astrophysics*, 662, 6
“Linking stellar populations to HII regions across nearby galaxies. I. Constraining pre-supernova feedback from young clusters in NGC 1672”
243. Smercina, A. et al. 2022, *Astrophysical Journal*, 929, 154
“After The Fall: Resolving the Molecular Gas in Post-starburst Galaxies”
242. Emsellem, E. et al. 2022, *Astronomy & Astrophysics*, 659, 191
“The PHANGS-MUSE survey. Probing the chemo-dynamical evolution of disc galaxies”
241. Leroy, A. et al. 2022, *Astrophysical Journal*, 927, 149
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240. Pan, H.-A. et al. 2022, *Astrophysical Journal*, 927, 9
“The Gas-Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and $H\alpha$ Emission for 49 PHANGS Galaxies”
239. Belfiore, F. et al. 2022, *Astronomy & Astrophysics*, 659, 26
“A tale of two DIGs: The relative role of H II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGS-MUSE galaxies”
238. Santoro, F. et al. 2022, *Astronomy & Astrophysics*, 658, 188
“PHANGS-MUSE: The H II region luminosity function of local star-forming galaxies”
237. Lee, J. et al. 2022, *Astrophysical Journal Supplements*, 258, 10
“The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope”
236. Deger, S. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 510, 32
“Bright, relatively isolated star clusters in PHANGS-HST galaxies: Aperture corrections, quantitative morphologies, and comparison with synthetic stellar population models”
235. Thilker, D. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 4094
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234. Chevance, M. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 272
“Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies”
233. Orozco-Duarte, R.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 522
“Synthetic photometry of OB star clusters with stochastically sampled IMFs: Analysis of models and HST observations”
232. Lopez-Rodriguez, E. et al. 2021, *Astrophysical Journal*, 923, 150
“Extragalactic Magnetism with SOFIA (Legacy Program) - II: A Magnetically Driven Flow in the Starburst Ring of NGC 1097”
231. Leroy, A. et al. 2021, *Astrophysical Journal Supplements*, 257, 43
“PHANGS-ALMA: Arcsecond CO(2-1) Imaging of Nearby Star-forming Galaxies”
230. Querejeta, M. et al. 2021, *Astronomy & Astrophysics*, 656, 1333
“Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies”
229. Barnes, A. et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 508, 5362
“Comparing the pre-SNe feedback and environmental pressures for 6000 H II regions across 19 nearby spiral galaxies”
228. Borlaff, A. et al. 2021, *Astrophysical Journal*, 921, 128
“Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51”
227. Stuber, S.[†] et al. 2021, *Astronomy & Astrophysics*, 653, 172
“Frequency and nature of central molecular outflows in nearby star-forming disk galaxies”
226. Menon, S.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 507, 5542
“The dependence of the hierarchical distribution of star clusters on galactic environment”
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224. Leroy, A. et al. 2021, *Astrophysical Journal Supplements*, 255, 19
“PHANGS-ALMA Data Processing and Pipeline”
223. Tarantino, E.[†] et al. 2021, *Astrophysical Journal*, 915, 92
“Characterizing the Multiphase Origin of [CII] Emission in M101 and NGC 6946 with Velocity-resolved Spectroscopy”
222. Smith, M.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 505, 3998
“A multiwavelength study of star formation in 15 local star-forming galaxies”
221. Pessa, I.[†] et al. 2021, *Astronomy & Astrophysics*, 650, 134
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217. Williams, T. et al. 2021, *Astronomical Journal*, 161, 185
“Applying the Tremaine-Weinberg Method to Nearby Galaxies: Stellar-mass-based Pattern Speeds and Comparisons with ISM Kinematics”
216. Kim, J.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 504, 487
“On the duration of the embedded phase of star formation”
215. Sutter, J.[†], **Dale, D.** et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 503, 911,
“The Case for Thermalization as a Contributor to the [CII] Deficit”
214. Rosolowsky, E., et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 1218
“Giant Molecular Cloud Catalogues for PHANGS-ALMA: Methods and Initial Results”
213. Turner, J.[†], **Dale, D.** et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 1366
“PHANGS-HST: Star Cluster Spectral Energy Distribution Fitting with CIGALE”
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“Distances to PHANGS Galaxies: New Tip of the Red Giant Branch Measurements and Adopted Distances”
211. Jones, T. et al. 2020, *Astronomical Journal*, 160, 167
“HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC891”
210. Kreckel, K. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, 499, 193
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209. Sun, J.[†] et al. 2020, *Astrophysical Journal*, 908, 8
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208. Lin, Z.[†] et al. 2020, *Astrophysical Journal*, 896, 16
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207. **Dale, D.** et al. 2020, *Astronomical Journal*, 159, 195
“Radial Star Formation Histories in 32 Nearby Galaxies”
206. Wofford, A. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, 493, 2410
“Candidate LBV stars in galaxy NGC 7793 found via HST photometry + MUSE spectroscopy”
205. Sun, J.[†] et al. 2020, *Astrophysical Journal*, 892, 148
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“Deep Transfer Learning for Star Cluster Classification: I. Application to the PHANGS-HST Survey”
203. Whitmore, B. et al. 2020, *Astrophysical Journal*, 889, 154
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202. Aniano, G.[†] et al. 2020, *Astrophysical Journal*, 889, 150
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201. Herrera, C., et al. 2020, *Astronomy & Astrophysics*, 634, 121
“The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk”
200. Elmegreen, B. et al. 2020, *Astrophysical Journal*, 888, 27
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199. Lopez-Rodriguez, E. et al. 2020, *Astrophysical Journal*, 888, 66
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198. Cignoni, M. et al. 2019, *Astrophysical Journal*, 887, 112
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197. Crocker, A. et al. 2019, *Astrophysical Journal*, 887, 105
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196. Schinnerer, E. et al. 2019, *Astrophysical Journal*, 887, 49
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193. Hannon, S.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 490, 4648
“H α Morphologies of Star Clusters: A LEGUS study of HII region evolution timescales and stochasticity in low mass clusters”
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“Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672”
191. Turner, J.[†], **Dale, D.** et al. 2019, *Astrophysical Journal*, 884, 112
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189. Cook, D. et al. 2019, *Astrophysical Journal*, 880, 7
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188. Staudaher, S.[†], **Dale, D.** et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 486, 1995
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185. Chuss, D. et al. 2019, *Astrophysical Journal*, 872, 187
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183. Grasha, K.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 4707
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182. Kasper, D.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 3781
“A transmission spectrum of HD 189733b from multiple broad-band filter observations”
181. Hunt, L. et al. 2019, *Astronomy & Astrophysics*, 612, 51
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179. Grasha, K.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 481, 1016
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177. Richards, E.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 476, 5127
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“Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449”
174. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 477, 1683
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173. Sabbi, E.[†] et al. 2018, *Astrophysical Journal Supplements*, 235, 23
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171. Kahre, L.[†] et al. 2018, *Astrophysical Journal*, 855, 133
“Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS”
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168. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 473, 996
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166. Cluver, M. et al. 2017, *Astrophysical Journal*, 850, 68
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163. Grasha, K.[†] et al. 2017, *Astrophysical Journal*, 842, 25
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162. Abdullah, A.[†] et al. 2017, *Astrophysical Journal*, 842, 4
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161. Adamo, A. et al. 2017, *Astrophysical Journal*, 841, 131
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140. Hunt, L. et al. 2015, *Astronomy & Astrophysics*, 576, 33
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